

REMARKS

Claims 1-79 remain in the application. Claims 7, 11, 12, 14-17, 35, 49, 51, 52, 57-64 and 72 were indicated as containing allowable subject matter. Applicant respectfully requests re-examination.

A request for a one month extension of time is submitted herewith.

Claims 5 and 8 were objected to because of specific informalities as listed in the office action. Claims 5 and 8 have been amended as suggested in the office action. Applicant respectfully requests that this objection be withdrawn.

Claim 70 was objected to because "the claimed limitations do not set forth any method steps for the method claim recited in the preamble." Claim 70 has been amended in a manner which hopefully obviates this objection. Applicant respectfully requests that this objection be withdrawn.

Claims 1-6, 8-10, 13-16, 25-34, 36-48, 50, 53-56, 65-70 and 73-79 were rejected under 35 U.S.C. §102(e) as anticipated by *Chien et al* (U.S. Pub. 2003/0042855). Applicant respectfully traverses.

The present invention as directed to providing a specifically timed sustain data pulse to the data electrode (third electrode) during the sustain period. Independent claims 1, 25, 33, 39, 40, 41, 42, 43, 65, 70, 76, 77, 78 and 79 recite "changing potential of the third electrode during the sustain discharge." This particular feature is specifically shown in detail in Figure 5 of the application and described in the specification relating thereto.

Besides reciting a change in the third electrode potential, certain of the claims such as Claims 25 and 65 precisely define the occurrence of the potential change on the third electrode. This is specifically shown in detail in Figure 16 and described in the specification related thereto.

By defining the timing at which the potential of the data electrode (third electrode) is changed during the sustain period, high luminance efficiency is obtained. The advantages of the invention are specifically described in Sections 1-4 and 1-5 of the specification.

The *Chien et al* reference discloses a technique for applying a voltage to an address electrode Ai during the sustain period. This voltage is the same driving signal that is sent to the sustain electrode X. The waveform of the voltage that is supplied to both the sustain electrode X and the address electrode Ai of *Chien* is shown in Figure 7.

As can be seen from Figure 7 of *Chien et al*, the timing of the potential supplied to the address electrode Ai is identical to the rise and fall of the voltage supplied to the sustain electrode X. That is because it is the same signal. As can be seen from Figure 7 of *Chien et al*, there is no change in height or voltage value in the voltage applied to the address electrode Ai during the sustain period.

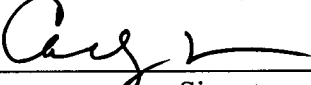
In contrast to the *Chien et al* disclosure, the voltage signal supplied to the data electrode 22 of applicant's invention clearly changes during the sustain period, T1, T2, etc.

The *Chien et al* disclosure is similar to the devices shown in Japanese Patent Application Publication Nos. 11-143425, 2001-5425, and 2001-282182, all disclosed in the related arts section of the present application.

The present invention, as claimed, sets forth a feature that is clearly different from the *Chien et al* reference. This difference has proven to provide superior luminance efficiency.

In light of the above amendment and remarks, Applicant respectfully submits that all the claims in the application patentably define over *Chien et al*, by itself, or in any combination with the references of record. Applicant respectfully requests that all the claims be allowed and this application passed to issue.


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Signature

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